

IN THE CLAIMS:

1. (Original) A light source device comprising:
at least two coherent light sources; and
a diffraction part for diffracting light which is emitted from at least one of the coherent light sources so that the respective lights emitted from the at least two coherent light sources propagate through the same optical path.
2. (Original) A light source device as defined in Claim 1 wherein the optical propagation paths of the respective lights emitted from the at least two coherent light sources overlap each other on the diffraction part.
3. (Original) A light source device as defined in Claim 1 wherein the center axes of the optical propagation paths of the respective lights emitted from the at least two coherent light sources intersect at one point on the diffraction part.
4. (Original) A light source device as defined in Claim 1 wherein the at least two coherent light sources are disposed on the same submount.
5. (Original) A light source device as defined in Claim 1 wherein said coherent light sources are a coherent light source that emits red light, a coherent light source that emits blue light, and a coherent light source that emits green light.
6. (Original) A light source device as defined in Claim 1 wherein the light emitted from at least one coherent light source among the coherent light sources passes through the diffraction part without being diffracted by the diffraction part.

7. (Original) A light source device as defined in Claim 1 wherein
said diffraction part comprises a single diffraction element, and
said diffraction element diffracts the light emitted from at least one coherent light source so
that the respective lights emitted from the at least two coherent light sources propagate through
the same optical path.
8. (Original) A light source device as defined in Claim 7 wherein said diffraction element is
further provided with a lens function.
9. (Original) A light source device as defined in Claim 1 wherein said diffraction part
comprises:
a first diffraction element for receiving at least two lights, and diffracting at least one of the
received lights so that the received at least two lights propagate through the same optical path;
and
a second diffraction element for diffracting the light emitted from at least one coherent light
source among the at least two coherent light sources so that the center axes of the optical
propagation paths of the lights emitted from the respective coherent light sources intersect at one
point on the first diffraction element.
10. (Original) A light source device as defined in Claim 9 wherein
said second diffraction element is further provided with a lens function, and
said second diffraction element condenses the respective lights emitted from the at least two
coherent light sources so that the respective lights diffracted by the second diffraction element
irradiate the same region of the first diffraction element.
11. (Currently Amended) A light source device as defined in Claim 7 ~~or 9~~ wherein
said diffraction element is a volume hologram, and
plural gratings are multiplexed on the volume hologram, which gratings receive the respective
lights emitted from the at least two coherent light sources, and change the propagation directions
of the respective lights.

12. (Original) A light source device as defined in Claim 7 wherein
said diffraction element is regionally divided, and
the respective lights that are diffracted in the divided regions of the diffraction element
irradiate the same planar region.
13. (Original) A light source device as defined in Claim 9 wherein
said first diffraction element is regionally divided, and
the respective lights that are diffracted in the divided regions of the first diffraction element
irradiate the same planar region.
14. (Currently Amended) A light source device as defined in Claim 12 ~~or 13~~ wherein
said diffraction element is regionally divided in a lattice pattern.
15. (Original) A two-dimensional image display device comprising:
at least two coherent light sources;
a diffraction part for diffracting light emitted from at least one coherent light source so that the
respective lights emitted from the at least two coherent light sources propagate in the same
optical path; and
a two-dimensional spatial light modulation element for receiving the respective lights that are
diffracted by the diffraction part to be coaxial beams, said element being provided in a space
above the diffraction part.
16. (Original) A two-dimensional image display device as defined in Claim 15 further
including:
a control part for controlling the operations of the at least two coherent light sources; and
said at least two coherent light sources being a coherent light source that emits red light, a
coherent light source that emits green light, and a coherent light source that emits blue light; and
said control part controlling the three coherent light sources so that the coherent light sources
are time-shared to sequentially emit lights.

17. (New) A light source device as defined in Claim 9 wherein
said diffraction element is a volume hologram, and
plural gratings are multiplexed on the volume hologram, which gratings receive the
respective lights emitted from the at least two coherent light sources, and change the propagation
directions of the respective lights.
18. (New) A light source device as defined in Claim 13 wherein
said diffraction element is regionally divided in a lattice pattern.